

**To:** Stalcup, Dana[Stalcup.Dana@epa.gov]  
**From:** Schlieger, Brian  
**Sent:** Fri 8/14/2015 2:00:13 PM  
**Subject:** Fwd: Stabilization of Gold King Portal is Imperative!

Sent from my iPhone

Begin forwarded message:

**From:** "Schlieger, Brian" <schlieger.brian@epa.gov>  
**Date:** August 14, 2015 at 9:38:32 AM EDT  
**To:** "Cheatham, Reggie" <cheatham.reggie@epa.gov>, "Woodyard, Josh" <Woodyard.Joshua@epa.gov>, "EOC\_Manager," <EOC\_Manager@epa.gov>, "EOC\_Deputy\_Manager," <EOC\_Deputy\_Manager@epa.gov>  
**Cc:** "Tyner, Lee" <tyner.lee@epa.gov>, EOC OGC <EOC\_OGC@epa.gov>  
**Subject:** Re: Stabilization of Gold King Portal is Imperative!

I just spoke with Lee Tyner, and she said that we can provide a brief memorandum to the Region, from you, that memorializes the following facts and will allow them to proceed:

1. The proposed action to stabilize the Gold King mine would fit within the exemption in the Mining moratorium memo that will be signed by you and Jim Woolford that allow for actions to still take place.
2. The stabilization action can continue as an emergency response action and that the Region will prepare an action memo as soon as it is reasonably possible. This AM will need to come to HQ and signed by Mathy based on the projected costs being \$6 million.

This should adequately provide the HQ consent and NCP consistency to allow for the work to continue.

If you agree with the proposed path forward we can begin this immediately to start drafting the Memo for your signature and distribution.

Thanks,

Brian

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**From:** Cheatham, Reggie  
**Sent:** Friday, August 14, 2015 9:08 AM  
**To:** Woodyard, Josh; Schlieger, Brian  
**Subject:** FW: Stabilization of Gold King Portal is Imperative!

Need to get a response together

Thanks

Reggie Cheatham, Director  
Office of Emergency Management  
202-564-8003(w) 202-689-9400(c)

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**From:** [Hestmark, Martin](#)  
**Sent:** 8/14/2015 8:08 AM  
**To:** [Woolford, James](#); [Cheatham, Reggie](#); [Murray, Bill](#); [Williams, Laura](#)  
**Cc:** [Bohan, Suzanne](#); [Ward, W. Robert](#)  
**Subject:** Fwd: Stabilization of Gold King Portal is Imperative!

Reggie what do we need to get you in addition to what we have submitted to get hHQ consent to proceed?

Sent from my iPhone

Begin forwarded message:

**From:** "Way, Steven" <[way.steven@epa.gov](mailto:way.steven@epa.gov)>  
**Date:** August 13, 2015 at 11:21:07 PM MDT  
**To:** "McGrath, Shaun" <[McGrath.Shaun@epa.gov](mailto:McGrath.Shaun@epa.gov)>  
**Cc:** "Hestmark, Martin" <[Hestmark.Martin@epa.gov](mailto:Hestmark.Martin@epa.gov)>, "Card, Joan" <[Card.Joan@epa.gov](mailto:Card.Joan@epa.gov)>, "Bohan, Suzanne" <[bohan.suzanne@epa.gov](mailto:bohan.suzanne@epa.gov)>, "Ward, W. Robert" <[Ward.Robert@epa.gov](mailto:Ward.Robert@epa.gov)>, "Ostrander, David" <[Ostrander.David@epa.gov](mailto:Ostrander.David@epa.gov)>, "Peronard, Paul" <[Peronard.Paul@epa.gov](mailto:Peronard.Paul@epa.gov)>, "Griswold, Hays" <[Griswold.Hays@epa.gov](mailto:Griswold.Hays@epa.gov)>  
**Subject:** Re: Stabilization of Gold King Portal is Imperative!

Folks

The plan from the beginning was to ensure a stable portal and we have designs/spec already in place based on original plans. We have a contractor already under contract to perform the work. DRMS assisted with this part also for more than a year. We have had an independent Engineering firm assistance, and they are to be onsite Next week. We plan to re-evaluate the current design and determine if modifications are needed given the conditions. We have an engineering team and the mining subcontractors to evaluate this and make recommendations.

Our plan has been in place to do this work. However - the Administrator's statement or interpretations of - "„shutting down all EPA mine work..." is what everyone has heard. This is the origin of many calls, questions from contractors, officials, ... who are very concerned that we need to continue.

I have assured people that we will not leave this unsecured.

Steve

Sent from my iPhone

On Aug 13, 2015, at 9:04 PM, McGrath, Shaun <[McGrath.Shaun@epa.gov](mailto:McGrath.Shaun@epa.gov)> wrote:

Of course. Thx

Sent from my iPhone

On Aug 13, 2015, at 9:03 PM, Hestmark, Martin <[Hestmark.Martin@epa.gov](mailto:Hestmark.Martin@epa.gov)> wrote:

I will. Is tomorrow ok?

Sent from my iPhone

On Aug 13, 2015, at 7:53 PM, McGrath, Shaun <[McGrath.Shaun@epa.gov](mailto:McGrath.Shaun@epa.gov)> wrote:

Martin,  
Please follow up with Bruce and report out. I may want to follow up with Mike King.

Shaun

Sent from my iPhone

On Aug 13, 2015, at 7:41 PM, Hestmark, Martin  
<[Hestmark.Martin@epa.gov](mailto:Hestmark.Martin@epa.gov)> wrote:

FYI

Sent from my iPhone

Begin forwarded message:

**From:** "Williams, Laura" <[williams.laura@epa.gov](mailto:williams.laura@epa.gov)>  
**Date:** August 13, 2015 at 12:31:45 PM MDT  
**To:** "Hestmark, Martin" <[Hestmark.Martin@epa.gov](mailto:Hestmark.Martin@epa.gov)>  
**Subject: Fwd: Stabilization of Gold King Portal is Imperative!**

Here is the risk evaluation for the GKM. I'll get you an answer on the photos in 30 minutes.

Sent from my iPhone

Begin forwarded message:

**From:** "Stover - DNR, Bruce"  
<[bruce.stover@state.co.us](mailto:bruce.stover@state.co.us)>  
**Date:** August 13, 2015 at 12:03:44 PM MDT  
**To:** Steve Way <[Way.Steven@epamail.epa.gov](mailto:Way.Steven@epamail.epa.gov)>  
**Cc:** Allen Sorenson <[allen.sorenson@state.co.us](mailto:allen.sorenson@state.co.us)>, <[williams.Laura@epamail.epa.gov](mailto:williams.Laura@epamail.epa.gov)>  
**Subject: Stabilization of Gold King Portal is Imperative!**

Steve,

I'm hearing from my folks that EPA may be stopping work at Gold King indefinitely and leaving it without stabilizing and establishing temporary drainage out of the 7 Level portal....that would be a huge mistake!!!

The worst thing we could do is leave without stabilizing the situation at this portal. In my 35 years of experience with mining and underground construction projects, it is my opinion this portal is over-arched, way larger than when mined, and will imminently cave to surface relatively soon.

I inspected the portal late in the afternoon on Aug 5th. There is a large cave High-back/ pocket in the roof just beyond the brow, and the rock is loose and highly jointed. Without some kind of portal stabilization, there is a high degree of probability for a fall of ground or caving at or behind the portal face that will immediately create a new water impoundment. If this portal is left as is it will surely cave this winter or next spring, if not even sooner.

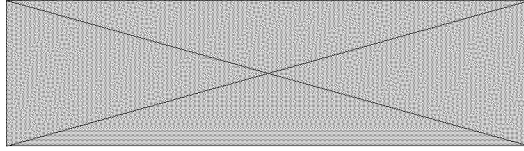
It is imperative at a minimum to at least install some large steel or CMP culverts into the portal, pushing them as far back as possible to allow for free-flow should the portal collapse on top of them. Once these contingency bypass pipes are set into the portal and bedded on top, a larger diameter culvert should also be pushed in under the brow as far through the cave area as possible, with foam-injection tubes attached to the top of the culvert. Then pump in expanding foam through the tubes attached to the top of the large culvert. Even if the foam doesn't completely fill the large cave above, it will at least armor and protect/cushion a large fall of ground onto the top of the culvert, helping keep the portal open so it can free flow.

If I can assist in any way with helping identify products, suppliers, contractors who can do this imperative emergency stabilization work, please let me know.

Who can I call at EPA to make sure this portal is not left in an un-stabilized, un-protected dangerous condition?

--

**Bruce K. Stover**  
**Director**  
Inactive Mine Reclamation Program



P 303.866.3567 x 8146 | F 303.832.8106  
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80203  
[bruce.stover@state.co.us](mailto:bruce.stover@state.co.us) |  
<http://mining.state.co.us>